

REPORT
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5. "II-TR and Yu-10 Electric Contact Locomotives for Mines," A. P. Safronov, A. I. Yushchenko, Ugletekhizdat, Moscow, 1949, 107 pp with illust and one inset, 3,000 copies, bound, R 13.00.

Description of the mechanics and electrical equipment of electric locomotives. Instructions for overhauling, repairs, and operation. Possible troubles and their elimination.

6. "Electric Loads and Primary Distribution of Electric Power in Industrial Enterprises," M. I. Slavnin, Gosenergoizdat, Moscow and Leningrad, 1949, 240 pp with diagrams, 4,000 copies, bound, R 13.00.

Analyzes electric loads, daily and annual graphs, prices of electric power, selection of voltages, and basic demands of industrial enterprises for electric power supply. States problems connected with reliable supply and determination of number and power of transformer substations and transformers for them. Examines supply systems and switching systems for 6-10 and 35-kv industrial substations.

7. "Synchronous Transmission and the Follower Drive," D. V. Spitsyn, Military Engineering Red Banner Academy imeni Kuybyshev, Moscow, 1949, 276 pp with illust.

States fundamental principles of theory of synchronous transmission and follower drives, cites characteristic examples of various types of synchros and followers and considers methods of computing the basic elements of this special drive.

8. "Theory and Practice in Ore Electrothermics," Collected Works of the Electrothermics Laboratory, Ural Scientific Research Chemical Institute, Metallurgizdat, Sverdlovsk and Moscow, 1948, 94 pp with illust and graphs, 500 copies, R 8.00.

Contains 20 articles on problems connected with electrothermics for non-metallic raw materials, high-temperature laboratory apparatus, kinetics of high-temperature processes, and calculations for electric and thermal fields in electric ore furnaces.

9. "Servicing Normal-Pressure Steam Turbines", L. I. Tubyanskiy, Leningrad Metallurgical Plant imeni Stalin, Gosenergoizdat, Leningrad and Moscow, 1949, 224 pp with diagrams and insets, 4,000 copies, bound, R 23.00.

Description of turbine construction. Steam distribution and turbine control. Accessories and diagrams for turbine installations. Turbine operation. Instructions for servicing steam turbines, accessories, and boiler installations.

10. "Scientific and Technical Session on Electric Power Economy," Moscow Branch of the All-Union Scientific and Technical Society of Power Engineers, Mosenergo, Energosbyt, Moscow, 1949, 39 pp, 400 copies.

Reports presented at session.

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